PEAK

Required Sheet Metal Examples

Document Overview:

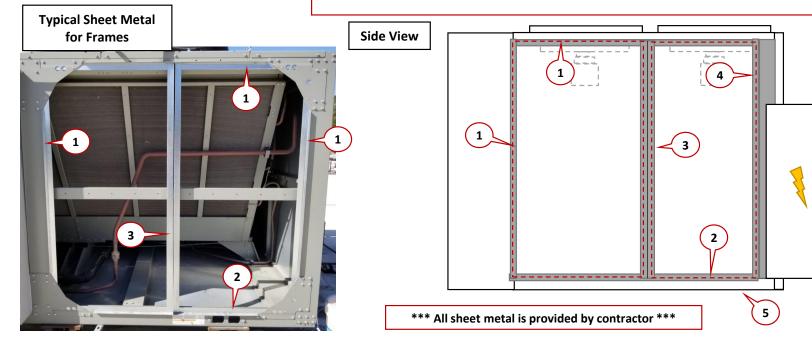
- 1) Describe the requirements of the sheet metal construction for a typical Peak+ project.
- 2) Describe special cases to be aware of, which require more in-depth sheet metal fabrication.
- 3) Overview common methods of mounting frames on a unit.

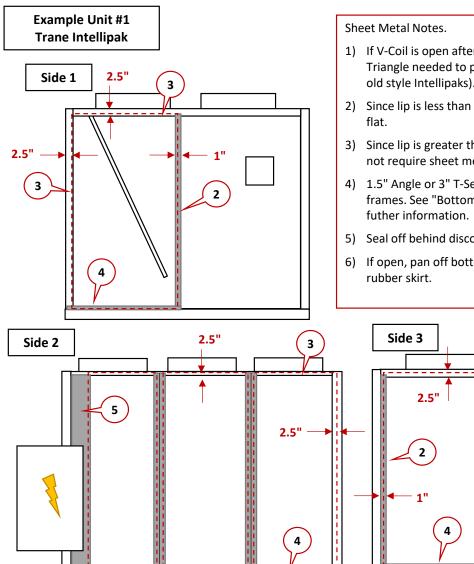
General Requirements

Typical Sheet Metal Requirements:

All hail guards to be removed. Seal off any gaps around unit that allow bypass air.

- 1) Frames require a 1.5" lip around the perimeter for proper mounting. If lip is less than 1.5" then a sheet metal flat or angle is needed.
- 2) 3" T-Section or 1.5" Angle is needed along bottom of frames for support. See "Bottom Mounting Methods" for further detail.
- 3) 3" T-Section typically needed where frames meet.
- 4) Blank off behind any obstacles (Disconnects, CWP's, control boxes, conduit) where frames cannot be placed.
- 5) If open to air, entire bottom of unit to be sealed off to prevent bypass air.
- 6) Any other openings along top or bottom of unit must be sealed off to prevent air from bypassing the frames.





- If V-Coil is open after hail guard is removed, SM Triangle needed to prevent bypass air (Typical of old style Intellipaks).
- 2) Since lip is less than 1.5", some sides require 1.5" flat.
- 3) Since lip is greater than 1.5", top and some sides do not require sheet metal.
- 1.5" Angle or 3" T-Section needed along bottom of frames. See "Bottom Mounting Methods" for futher information.
- 5) Seal off behind disconnect if obstructing frames.
- 6) If open, pan off bottom of unit with SM, or seal with rubber skirt.

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Some Intellipaks use the hail guard to block air, this must be replaced with a SM triangle since all hailguards are removed.



Newer Intellipaks typically will not require the SM Triangle because the V-Coil is already sealed off.

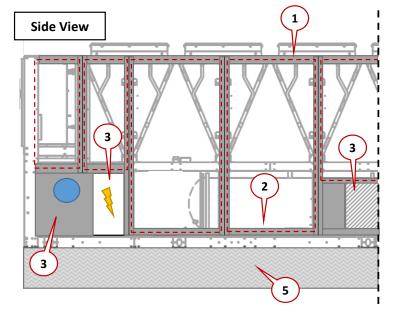
Example Unit #2 Std V-Coil Chiller

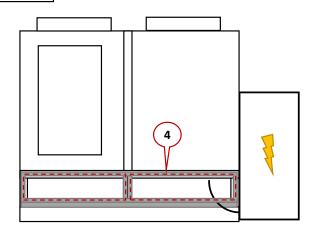
Sheet Metal Notes.

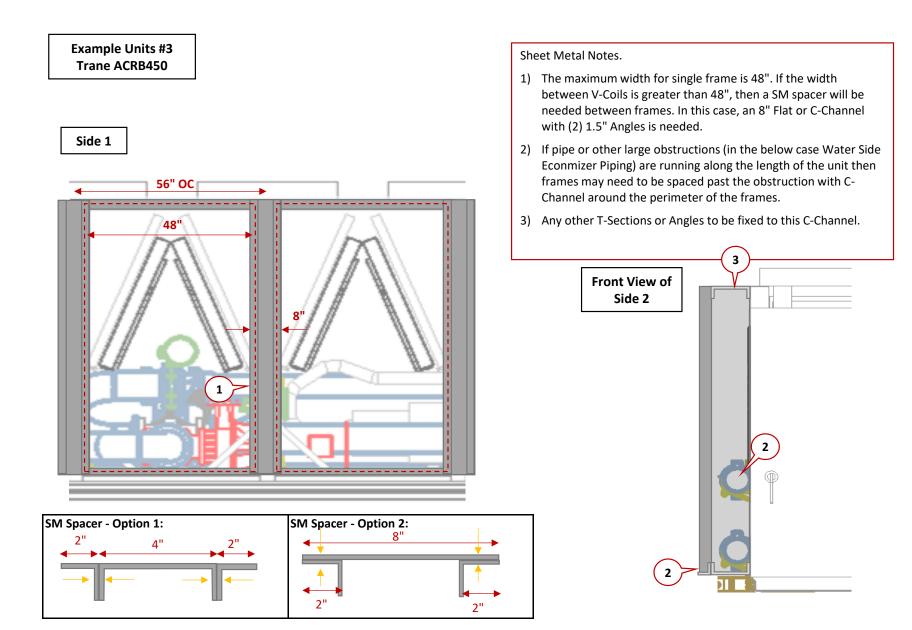
- 1) See "Top Mounting Methods" for further detail.
- 2) See "Bottom Mounting Methods" for futher detail.
- 3) Seal off around CWP's, control boxes, or compressor enclosures with SM as needed, with 1.5" Angle along top for bottom of frame.
- 4) Due to low clearance caused by control cabinet and conduit on right side, a SM transition will be required to space frames forward to make them flush with control cabinet. seal around conduit with SM, caulk as necessary.
- 5) If open, pan off bottom of unit with SM, or seal with rubber skirt.

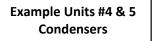


Front View

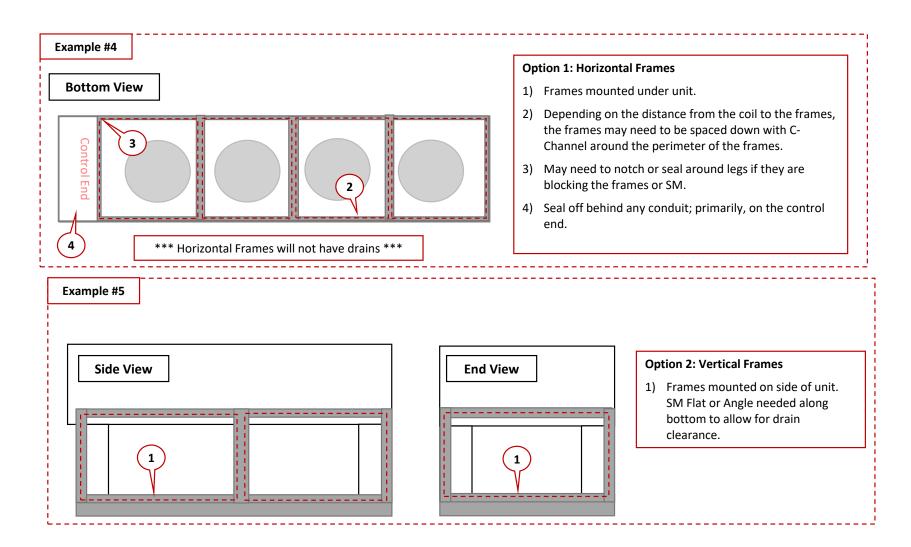


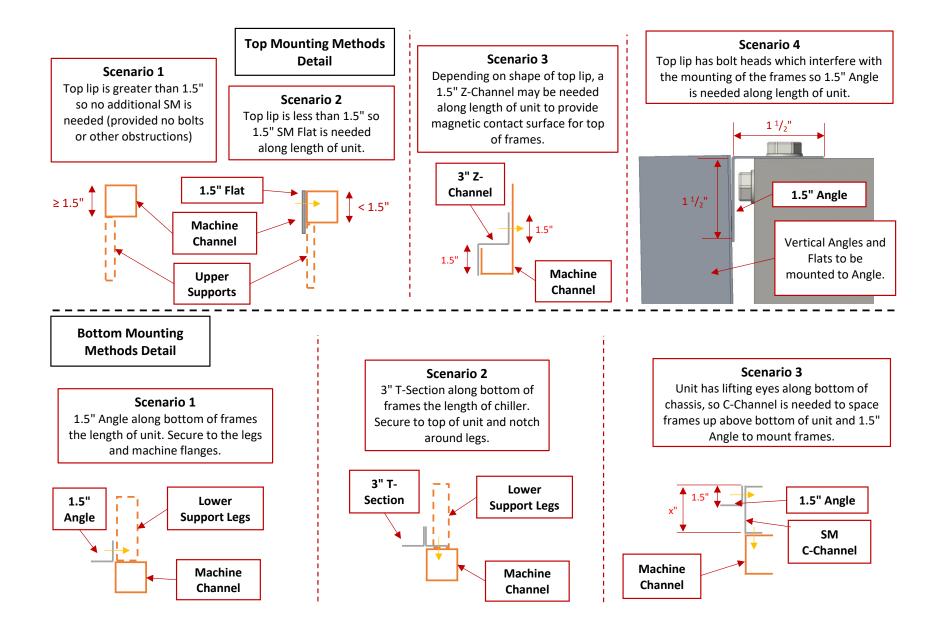




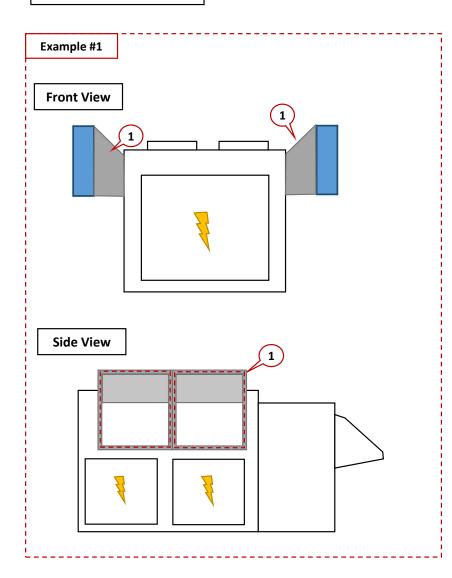


Condensers will require either Horizontal or Vertical Frames depending on clearance and airflow.



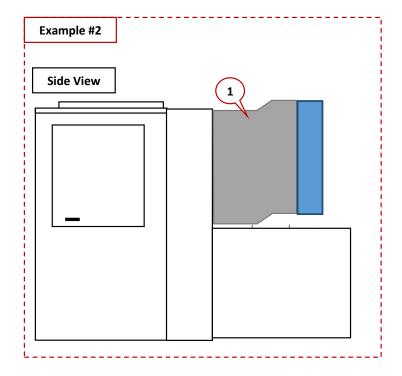


Transition Example

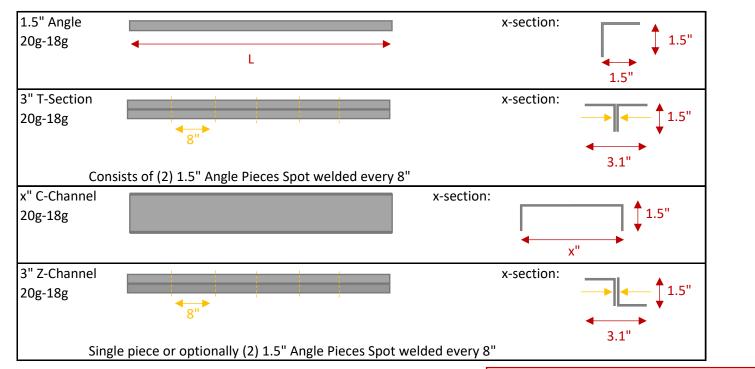


Sheet Metal Transitions:

1) Depending on the velocity of the air across the condenser coils, a transition may be needed to space the frames away from the unit to decrease the velocity.



Typical Sheet Metal Details



Notes: 1) All sheet metal for frame attachment shall be min. 20 gauge galvanized steel.

2) Any additional area that allows air to by-pass frames and enter the coils shall be blocked off accordingly.

3) Additional pieces may be needed, see project specific Field Supplied Sheet Metal Layout for more detail.

